



040804

04772 U.S. PTO

PTO/SB/05 (06-03)

Approved for use through 07/31/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	14364US24
First Inventor	Joseph J. Kubler
Title	HIERARCHICAL DATA COLLECTION NETWORK SUPPORTING PACKETIZED VOICE COMMUNICATIONS AMONG WIRELESS TERMINALS AND TELEPHONES
Express Mail Label No.	EV 304938082 US

22141 U.S. PTO
10/822447

040804

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

- | | |
|---|--|
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status.
See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <u>330</u>]
(preferred arrangement set forth below)
-Descriptive title of the invention
-Cross Reference to Related Applications
-Statement Regarding Fed sponsored R&D
-Reference to sequence listing, a table, or a computer program listing appendix
-Background of the Invention
-Brief Description of the Drawings (if filed)
-Detailed Description
-Claim(s)
-Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <u>80</u>]</p> <p>5. Oath or Declaration [Total Sheets <u>12</u>]
a. <input type="checkbox"/> Newly executed (original or copy)
b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) TWO
(2) separate executed Declarations (6 pp. each)
(for continuation/divisional with Box 18 completed)
i. <input type="checkbox"/> DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. <input type="checkbox"/> Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or
ii. <input type="checkbox"/> Paper
c. <input type="checkbox"/> Statements verifying identity of above copies</p> |
|---|--|

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & documents(s))
10. ☐ 37 CFR 3.73(b) Statement ☒ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122(b)
(2)(B)(i). Applicant must attach form PTO/SB/35 or
its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 10/141,506
Prior application information: Examiner: D. R. Vincent Art Unit: 2661

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☒ Customer Number: 23446 OR ☐ Correspondence address below

Name					
Address					
City		State		Zip Code	
Country		Telephone		Fax	
Name (Print/type)	Kevin E. Borg		Registration No. (Attorney/Agent)	51,486	
Signature			Date	April 8, 2004	

The PTO did not receive the following listed item(s) PAGE 122 OF SPECIFICATION

04772 U.S. PTO
040804

PTO/SB/17 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

<h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">for FY 2004</h3> <p style="margin: 5px 0;">Patent Fees are subject to annual revision.</p>		Complete if Known	
		Application Number	unassigned
		Filing Date	herewith
		First Named Inventor	Joseph J. Kubler
		Examiner Name	unassigned
		Group Art Unit	unassigned
		Attorney Docket No.	14364US24
TOTAL AMOUNT OF PAYMENT		(\$788.00)	

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																																																								
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Deposit Account Number: 13-0017</p> <p>Deposit Account Name: McAndrews Held & Malloy</p> </div> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>	<p>3. ADDITIONAL FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee Code (\$)</th> <th style="text-align: left;">Small Entity Fee Code (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051 130</td><td>2051 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052 50</td><td>2052 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053 130</td><td>1053 130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812 2,520</td><td>1812 2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804 920*</td><td>1804 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805 1,840*</td><td>1805 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251 110</td><td>2251 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252 420</td><td>2252 210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253 950</td><td>2253 475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254 1,480</td><td>2254 740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255 2,010</td><td>2255 1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401 330</td><td>2401 165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402 330</td><td>2402 165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403 290</td><td>2403 145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451 1,510</td><td>1451 1510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452 110</td><td>2452 55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453 1,330</td><td>2453 665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501 1,330</td><td>2501 665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502 480</td><td>2502 240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503 640</td><td>2503 320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460 130</td><td>1460 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807 50</td><td>1807 50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806 180</td><td>1806 180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021 40</td><td>8021 40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809 770</td><td>2809 385</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>1810 770</td><td>2810 385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801 770</td><td>2801 385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802 900</td><td>1802 900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> </tbody> </table>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1051 130	2051 65	Surcharge - late filing fee or oath		1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet		1053 130	1053 130	Non-English specification		1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination		1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action		1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action		1251 110	2251 55	Extension for reply within first month		1252 420	2252 210	Extension for reply within second month		1253 950	2253 475	Extension for reply within third month		1254 1,480	2254 740	Extension for reply within fourth month		1255 2,010	2255 1,005	Extension for reply within fifth month		1401 330	2401 165	Notice of Appeal		1402 330	2402 165	Filing a brief in support of an appeal		1403 290	2403 145	Request for oral hearing		1451 1,510	1451 1510	Petition to institute a public use proceeding		1452 110	2452 55	Petition to revive - unavoidable		1453 1,330	2453 665	Petition to revive - unintentional		1501 1,330	2501 665	Utility issue fee (or reissue)		1502 480	2502 240	Design issue fee		1503 640	2503 320	Plant issue fee		1460 130	1460 130	Petitions to the Commissioner		1807 50	1807 50	Processing fee under 37 CFR 1.17(q)		1806 180	1806 180	Submission of Information Disclosure Stmt		8021 40	8021 40	Recording each patent assignment per property (times number of properties)		1809 770	2809 385	Filing a submission after final rejection (37 CFR § 1.129(a))		1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))		1801 770	2801 385	Request for Continued Examination (RCE)		1802 900	1802 900	Request for expedited examination of a design application		Other fee (specify) _____			
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																						
1051 130	2051 65	Surcharge - late filing fee or oath																																																																																																																							
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet																																																																																																																							
1053 130	1053 130	Non-English specification																																																																																																																							
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																							
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action																																																																																																																							
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action																																																																																																																							
1251 110	2251 55	Extension for reply within first month																																																																																																																							
1252 420	2252 210	Extension for reply within second month																																																																																																																							
1253 950	2253 475	Extension for reply within third month																																																																																																																							
1254 1,480	2254 740	Extension for reply within fourth month																																																																																																																							
1255 2,010	2255 1,005	Extension for reply within fifth month																																																																																																																							
1401 330	2401 165	Notice of Appeal																																																																																																																							
1402 330	2402 165	Filing a brief in support of an appeal																																																																																																																							
1403 290	2403 145	Request for oral hearing																																																																																																																							
1451 1,510	1451 1510	Petition to institute a public use proceeding																																																																																																																							
1452 110	2452 55	Petition to revive - unavoidable																																																																																																																							
1453 1,330	2453 665	Petition to revive - unintentional																																																																																																																							
1501 1,330	2501 665	Utility issue fee (or reissue)																																																																																																																							
1502 480	2502 240	Design issue fee																																																																																																																							
1503 640	2503 320	Plant issue fee																																																																																																																							
1460 130	1460 130	Petitions to the Commissioner																																																																																																																							
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)																																																																																																																							
1806 180	1806 180	Submission of Information Disclosure Stmt																																																																																																																							
8021 40	8021 40	Recording each patent assignment per property (times number of properties)																																																																																																																							
1809 770	2809 385	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																							
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																							
1801 770	2801 385	Request for Continued Examination (RCE)																																																																																																																							
1802 900	1802 900	Request for expedited examination of a design application																																																																																																																							
Other fee (specify) _____																																																																																																																									
<p>FEE CALCULATION</p> <p>1. BASIC FILING FEE</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee Code (\$)</th> <th style="text-align: left;">Small Entity Fee Code (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001 770</td><td>2001 385</td><td>Utility filing Fee</td><td style="border: 1px solid black;">770.00</td></tr> <tr><td>1002 340</td><td>2002 170</td><td>Design filing Fee</td><td style="border: 1px solid black;"></td></tr> <tr><td>1003 530</td><td>2003 265</td><td>Plant filing fee</td><td style="border: 1px solid black;"></td></tr> <tr><td>1004 770</td><td>2004 385</td><td>Reissue filing fee</td><td style="border: 1px solid black;"></td></tr> <tr><td>1005 160</td><td>2005 80</td><td>Provisional filing fee</td><td style="border: 1px solid black;"></td></tr> <tr><td colspan="3" style="text-align: right;">SUBTOTAL (1)</td><td style="border: 1px solid black;">(\$770.00)</td></tr> </tbody> </table> <p>2. EXTRA CLAIM FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Total Claims</th> <th style="text-align: left;">Extra Claims</th> <th style="text-align: left;">Fee from below</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>21 - 20** =</td><td>1</td><td>18.00 =</td><td style="border: 1px solid black;">18.00</td></tr> <tr><td>Independent Claims 3 - 3** =</td><td>0 x</td><td>86.00 =</td><td style="border: 1px solid black;">0.00</td></tr> <tr><td>Multiple Dependent</td><td></td><td>290.00 =</td><td style="border: 1px solid black;">0.00</td></tr> </tbody> </table> <p>Large Entity Small Entity Fee Fee Fee Fee Fee Description</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Code (\$)</th> <th style="text-align: left;">Code (\$)</th> <th style="text-align: left;">Code (\$)</th> <th style="text-align: left;">Code (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>1202 18</td><td>2202 9</td><td></td><td></td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201 86</td><td>2201 43</td><td></td><td></td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203 290</td><td>2203 145</td><td></td><td></td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204 86</td><td>2204 43</td><td></td><td></td><td>**Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205 18</td><td>2205 9</td><td></td><td></td><td>**Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="5" style="text-align: right;">SUBTOTAL (2)</td><td style="border: 1px solid black;">(\$18.00)</td></tr> </tbody> </table> <p><small>**or number previously paid, if greater; For Reissues, see above</small></p>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1001 770	2001 385	Utility filing Fee	770.00	1002 340	2002 170	Design filing Fee		1003 530	2003 265	Plant filing fee		1004 770	2004 385	Reissue filing fee		1005 160	2005 80	Provisional filing fee		SUBTOTAL (1)			(\$770.00)	Total Claims	Extra Claims	Fee from below	Fee Paid	21 - 20** =	1	18.00 =	18.00	Independent Claims 3 - 3** =	0 x	86.00 =	0.00	Multiple Dependent		290.00 =	0.00	Code (\$)	Code (\$)	Code (\$)	Code (\$)	Fee Description	Fee Paid	1202 18	2202 9			Claims in excess of 20		1201 86	2201 43			Independent claims in excess of 3		1203 290	2203 145			Multiple dependent claim, if not paid		1204 86	2204 43			**Reissue independent claims over original patent		1205 18	2205 9			**Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					(\$18.00)	<p style="text-align: right;">SUBTOTAL (3) (\$0.00)</p>																																		
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																						
1001 770	2001 385	Utility filing Fee	770.00																																																																																																																						
1002 340	2002 170	Design filing Fee																																																																																																																							
1003 530	2003 265	Plant filing fee																																																																																																																							
1004 770	2004 385	Reissue filing fee																																																																																																																							
1005 160	2005 80	Provisional filing fee																																																																																																																							
SUBTOTAL (1)			(\$770.00)																																																																																																																						
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																						
21 - 20** =	1	18.00 =	18.00																																																																																																																						
Independent Claims 3 - 3** =	0 x	86.00 =	0.00																																																																																																																						
Multiple Dependent		290.00 =	0.00																																																																																																																						
Code (\$)	Code (\$)	Code (\$)	Code (\$)	Fee Description	Fee Paid																																																																																																																				
1202 18	2202 9			Claims in excess of 20																																																																																																																					
1201 86	2201 43			Independent claims in excess of 3																																																																																																																					
1203 290	2203 145			Multiple dependent claim, if not paid																																																																																																																					
1204 86	2204 43			**Reissue independent claims over original patent																																																																																																																					
1205 18	2205 9			**Reissue claims in excess of 20 and over original patent																																																																																																																					
SUBTOTAL (2)					(\$18.00)																																																																																																																				

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Kevin E. Borg	Registration No. (Attorney or Agent)	51,486
Telephone	312-775-8000		
Signature			Date
		April 8, 2004	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.